

Universal IR Air Conditioner to Modbus RTU Interface

Item number: IN485UNI001I100

The Universal Infrared (IR)-Modbus RTU device allows complete and natural integration of any air conditioner unit equipped with an infrared receiver into Modbus RTU systems. Thanks to the device's capability of emitting and receiving IR signals, the AC unit can be controlled simultaneously by both the Modbus RTU system and the IR remote.



Universal IR to Modbus RTU - 1 indoor unit

Features and benefits

- ✓ **BACnet MS/TP and Modbus RTU supported**
The interface supports both BACnet MS/TP and Modbus RTU protocols.
- ✓ **Built-in room temperature and humidity sensors**
A room temperature sensor and a humidity sensor are built into the interface.
- ✓ **Automatic IR remote configuration via auto-learn**
An auto-learn function is available to set the IR remote controller configuration automatically.
- ✓ **AC unit control by both the remote and Modbus RTU**
The AC unit can be simultaneously controlled by the manufacturer's remote controller and Modbus RTU.
- ✓ **Quick and easy configuration using Intesis MAPS**
Quick configuration of your Universal IR to BACnet MS/TP interfaces in one project via Intesis MAPS.
- ✓ **Configuration tool and interface automatic updates**
Both the Intesis MAPS configuration tool and the interface's firmware can receive automatic updates.

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General	
Capacity	1 indoor unit
Net Width (mm)	60
Net Height (mm)	93
Net Depth (mm)	21
Net Weight (g)	52
Packed Width (mm)	150
Packed Height (mm)	85
Packed Depth (mm)	82
Packed Weight (g)	361
Operating Temperature °C Min	0°
Operating Temperature °C Max	60°
Storage Temperature °C Min	0
Storage Temperature °C Max	60
Power Consumption (W)	1.25
Configuration	Intesis MAPS
Installation Conditions	This gateway is designed to be mounted inside an enclosure. If the unit is mounted outside an enclosure, precautions should always be taken to prevent electrostatic discharge to the unit. When working inside an enclosure (e.g., making adjustments, setting switches, etc.), typical anti-static precautions should always be followed before touching the unit.
AC Model Compatibility	Compatible with any air conditioner unit equipped with an infrared receiver.
Content of Delivery	Intesis gateway, installation manual and power supply.
Housing Materials	Plastic

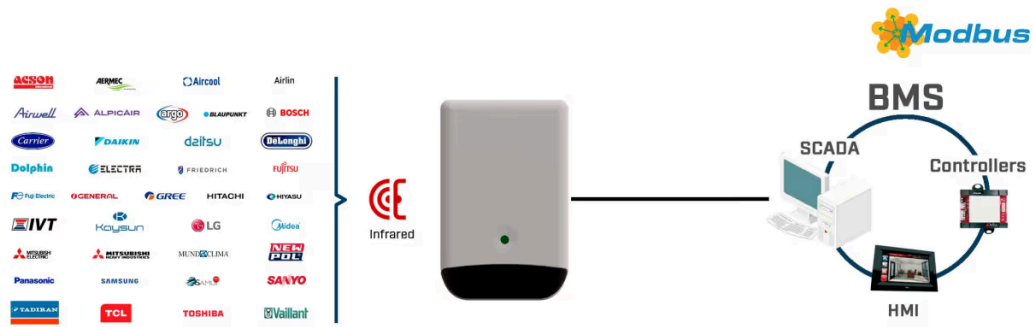
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General	
Warranty (years)	3 years
Packaging Material	Cardboard
Identification and Status	
Product ID	IN485UNI001I100_MBS_UNI
Country of Origin	Spain
Export Control Classification Number (ECCN) ERP	8517620000
HS Code	8517620000
Physical Features	
LED Indicators	Gateway and communication status.
Contains Battery	No
Certifications and Standards	
Product Certifications	CE, CB, UKPSTI, UL
WEEE Category	IT and telecommunications equipment



Use Case



Integration example.